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APPLICANT : TOSHIBA TUNGALOY CO LTD;

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TITLE : CAGE FOR ROLLING BEARING

ABSTRACT : PURPOSE: To obtain excellent strength, heat resistance, and wear resistance at the time of using in an environment such as a high temp. or vacuum and the like by forming the captioned cage with a sintered material with the main components of a 10~80 wt.% of  $WS_2$  and a 20~90 wt.% of Cu.

CONSTITUTION: A cage is formed with a sintered material with the main components of a 10~80 wt.% of  $WS_2$  of which less than 30 wt.% is substituted by  $MoS_2$  and/or graphite and a 20~90 wt.% of Cu of which less than 30 wt.% is substituted by at least one kind of the metal or alloy of Sn, Pb, Ag, W, Mo, Ta, Fe, Ni, Be, Al, P and their alloys. Hence, the cage can obtain excellent strength, heat resistance, and wear resistance in an environment such as at a high temp. or in vacuum and the like, enabling manufacture at a low cost.

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